



OSCILLATOR

Volume 24 Number 2

Bachelor Repeater Oregon's Highest, Bill, K7ZM

The Mt. Bachelor repeater, Oregon's highest at 9,045' elevation, is working well. There has been microwave interference into ALL repeaters in Central Oregon from a commercial paging source. Nobody seems to know who the paging service is. It appears to be coming from Grey Butte, near Madras.

The 145.450 repeater (no tone) has been accessed from as far as 60 miles south of Klamath Falls, parts of Eugene and Springfield, Dallas, Christmas Valley, Burns, and Goldendale, Washington. It does not get into the Portland area. It is protected from getting into Portland and Seaside repeaters by Broken Top, in the Sister's range. An open repeater, all are invited to use and enjoy the repeater at any time.

Best 73, Bill Sawders, K7ZM

Next Meeting — Wednesday, Feb. 14th at 7 PM

The February program features Marsh Johnson KK7CW. We are preparing for those Spring antenna projects, and Marsh has some help for our "mental engineering." Marsh's sessions at SEAPAC are full. We are fortunate to have him back for a presentation on "Linear Circuit Radiators". More about Marshall Johnson on page 6.

Come at 6:00 PM and enjoy a no-host dinner at the Elks' Buffet.

Prexy's Prose JD FORT, K7JDF COFFEE AND QSOs

If Valentines day is near....can Rickreal be far behind!? Happy Valentines Day from all of us on the Oregon Tualatin Valley Amateur Club Board. We hope you are planning to spend Cupid's day with us at the February meeting.

Speaking of which...We've changed the order of service, so to speak. We now hold the raffle drawing at the break! For those that can't stay for the program portion of the meeting, that means you'll have to dig deep to buy those raffle tickets. Remember the more we take in the more we have to spend on next month's prizes.

See PREXY, Page 3

February 2001

In This Issue

Oregon's Highest 1
Repeater

US ARDF 2
Championships

MIR Takes A Dive 3

Online 3
OSCILLATOR

Powell New FCC 4
Chair

Debugging 6
Antennae

Cycle Oregon 6
Honor Roll

Field Day 8
Location Sought

Bill Orr
W6SAI
SK

Page 4

NATIONAL DIRECTION FINDING CHAMPIONSHIPS

The first US National Championships of Radio Direction Finding will be held this summer in Albuquerque, New Mexico. The Championships will be held July 31 through August 4 with the Albuquerque Transmitter Hunters, a unit of the Albuquerque Amateur Radio Club, serving as hosts.

The event is to open to all who wish to participate whatever the level of foxhunting experience. Events on 2 and 80 meters feature five transmitters to be found in accordance with standard rules of the International Amateur Radio Union. The AAR Club will offer assistance in lodging, meals, and training during the event.

Championship information is available at the 2001USA ARDF Championship Web site, www.egroups.com/files/abqardf/web/index.html. General information on ARDF can be found at a website maintained by Joe Moell, KØOV, members.aol.com/homingin. Moell is the ARRL ARDF Coordinator.

OTVARC REVISING SPECIAL INTEREST GROUPS

At the February board meeting, your Board of Directors will be reviewing the Special Interest Group topics and leadership. You will find these listed on page 9 of this issue. The Board plans to reassign the Special Interest Groups.

Let us know which SIG you'd like to be linked to in the revision. If you have an area of interest and want to see a SIG created or re-activated, contact any board member. Board e-mail addresses are listed in the Club Directory on page 9.

VE Update: Two December Exam Sessions, Carl Clawson, WS7L

On 2 Dec at Ronler Acres we examined 7 applicants and issued two new Technician licenses, two upgrades to general, and two upgrades to Extra. Thanks to VEs Geno K7GY, Claire N7CM, and Bob K7QXG.

On 4 Dec we held a special session at the St Helens fire station, mainly to serve applicants who had attended ham radio classes held by members of Columbia County ARES. We examined 9 candidates, issuing 6 new Technician licenses (including one w/HF) and one "drive-by" upgrade to General. VEs were Homer K7AP and Robert KC7PD.

ARRL DUES INCREASE

The ARRL Board of Directors voted to increase dues from \$34 to \$39 annually for full members younger than 65, and from \$28 to \$34 for full members 65 and older. The dues hike goes into effect July 1, 2001.

The dues increase resulted from a need to fund initiatives to expand the League's advocacy activities on behalf of Amateur Radio--including the defense of amateur spectrum--and to enhance abilities to serve members.

CLUB RECYCLES QST MAGAZINES

Don't forget to bring your old copies of QST to the February OTVARC meeting on February 14th. Bringing them in will have a double impact! You'll make a great gesture to your spouse on Valentine's Day and help spread the word about Amateur Radio.

We're recycling QSTs to area waiting rooms with information on membership in OTVARC and contact data to get more information about license classes and exam dates.

Consider this our Valentine's gift to your sweet.

MIR FINAL DIVE SET FOR MARCH 6, by Everett, W6ABM

MIR, the 130-ton pioneer space station and experimental laboratory, is scheduled to be "de-orbited" on March 6th over the south Pacific off the coast of Australia. A Progress cargo ship with increased fuel capacity docked with Mir January 27. MIR will be helped out of orbit using rockets on the Progress ship. Russia has cosmonauts prepared to launch in an emergency to guide the MIR to its rest.

The initial module of the space station was launched February 20, 1986. Mir has become a 15 year tenant of space and a point of pride for the Russian people. Russia has affirmed its intent to continue cooperation in the development of the International Space Station, a project of Russia, the United States, Canada, European Space Agency, and Japan.

MIR has Amateur Radio gear installed which has served operational as well as demonstration purposes. A large number of Earth bound hams have contacted the various MIR crew members including US astronauts. Mir's packet messaging system and SSTV equipment has been a popular feature of the station.

Mir's attitude control system will be disabled and, on March 4 and 5, Progress will fire engines to reduce the MIR's orbital velocity. The next day Progress will fire long enough to decrease velocity sufficiently to take MIR with it out of orbit. The scuttling of MIR is expected to generate debris that could reach Earth.

ONLINE OSCILLATOR BEING CONSIDERED

With the growing place of the Internet in our lives, the editor and others have proposed an online issue of The *OSCILLATOR*. The online edition would be available much sooner than the printed copy now delivered by the postal service. The electronic edition would feature much more color photography and graphics and allow more varied material.

The online edition would be produced using software the club has recently obtained. It would save a consider amount in printing and postal expense for those who do not wish BOTH the online and print edition. Non-Internet members would get a print copy. Let us know your thoughts.

Prexy, from page 1

We've also lengthened the break time to allow you to grab a cup of coffee and carry on those "Eyeball QSO's" we all enjoy!

The February program features Marshall Johnson KK7CW as we prepare for all of those Spring antenna projects. Marsh's sessions at SEAPAC are always full, so we are really fortunate to have him back for another presentation on "Linear Circuit Radiators".

Since our next meeting is on Valentines Day, I would like to encourage all members to bring their Sweethearts (no I don't mean your HT!) and your sweets. That's right. We'll have a pot of coffee on and your welcome to bring your homemade sweets for Valentines Day refreshments at the break. Store bought or homemade, it doesn't matter. I'm sure they'll be gobbled up in the spirit of the evening.

Plan to join us for the March meeting. We have tentative plans to be given a tour of the new FOX 49 studios in Beaverton.

MICHAEL POWELL TO CHAIR FCC, From ARRL Letter

President George W. Bush has nominated Michael K. Powell to become FCC chairman. Powell, a Republican and an FCC member since 1997, is the son of Secretary of State Gen. Colin Powell. Since Powell already sits on the FCC, the nomination is not subject to Senate confirmation.

"I am deeply honored and privileged to have received President Bush's designation to be Chairman of the Federal Communications Commission," Powell said in a news release.

Powell succeeds William Kennard, who stepped down as the head of the FCC on January 19. A Democrat and a Clinton appointee, Kennard was the first African-American to serve as FCC chairman.

Earlier this month, Powell voted with the majority to approve the AOL-Time Warner mega-merger, which he called "unquestionably one of the most significant mergers in history" and said he was pleased to support it.

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth says Powell has a solid relationship with the Enforcement Bureau. "I'm delighted," Hollingsworth said of Powell's appointment. "He's a very sharp guy."

Powell came to the FCC from the Department of Justice, where he served as the chief of staff of the Antitrust Division. He has appointed FCC veteran and former Walt Disney Company vice president Marsha J. MacBride as the agency's Chief of Staff.

The other members of the FCC are Susan Ness, Harold W. Furchtgott-Roth, and Gloria Tristani. Among names mentioned as possible Bush appointees to the FCC is that of Texas Public Utilities Commission Chairman Pat Wood.

W6SAI, Silent Key

Amateur Radio legend William I. "Bill" Orr, W6SAI, of Menlo Park, California, died in his sleep January 24. He was 81.

An ARRL member, Orr was best known for his numerous amateur radio books and reference works, many aimed at beginners. His titles include The Radio Handbook, The Beam Antenna Handbook, The Quad Antenna Handbook, The VHF-UHF Manual and The W6SAI HF Antenna Handbook, some written in collaboration with Stu Cowan, W2LX.

Licensed in 1934 at age 15 as W2HCE in New York, Orr graduated in electrical engineering from the University of California in the early 1940s. In his younger years, Orr was a well-known DXer and DXCC Honor Roll member. He also was involved in DXpeditions to various exotic locations, including St Pierre and Miquelon and Monaco, among other locales.

From the 1940s through the 1980s, Orr was a frequent contributor to QST, writing about tube-type amplifiers, Project OSCAR, and other topics. Orr constructed some of the amplifiers once used at ARRL Maxim Memorial Station W1AW. For many years Orr worked with tube manufacturer EIMAC. Orr's application notes for EIMAC products were favorite reading within the amateur community. In later years, Orr penned columns for Ham Radio magazine and, more recently, for CQ.

TRAVELERS

The February campout will be at Mulkey RV Park. The park is located 3.5 miles southwest of McMinnville on Highway 18. The entrance to the park is on the left. It is a short trip from Rickreall. So, come on down afterward for the potluck dinner. If you don't plan to attend the convention, come down for the day. The potlucks are always worth attending.

Tom and Barb Bailey are wagon masters. If you can't come to camp, come for the day or dinner, contact Barb or Tom at 503-538-2266 or by e-mail at reno78@GTE.net. Motor Homes not required.

The March campout will be at Cape Kiwanda RV Park in Pacific City. Due to Geno Buell's back surgery Tom and Barb Bailey have taken over as wagon masters for that campout as well. They need a head count as soon as possible, if you'll attend.

CLUB NOTES

Julia Landers, KD7GQW, was the victim of a "sneaker wave" on Sunday, January 21st at Cannon Beach. She and Harold, WAØBRU, were with others when a series of increasingly larger waves hit them unexpectedly.

Julie was among those who were knocked off their feet. She suffered a broken leg, scratches, and other injuries. She faces several months of healing and physical therapy.

LUNCH BUNCH

The Lunch Bunch needs a coordinator to help out while Harold is nursing Julie back to functioning...maybe 3 or 4 months. Call Harold, WAØBRU (see Directory on page 9).

The February 24th Lunch Bunch will be held at Old Country Buffet, 3790 SW Hall Blvd. in Beaverton (next to Who Song & Larry's). We'll eat at 1:30 pm.

This is a great time to make at least one new friend in the club.

PUBLIC SERVICE CALENDAR

The Club participates in numerous public service events each year. This is a great way to increase your skills and your knowledge of club members and other hams.

Most events require part of a day. You are usually asked to provide a hand held 2 meter radio and you own transportation to a field site.

Public Service is the primary activity that hams identify as their reason for remaining active in Amateur Radio. Many hams are active in formal emergency preparedness groups, others simply offer assistance to the community as opportunities arise. Watch this space for the 2001 Public Service list.

5th Wednesday

The first Fifth Wednesday Contest of the new millennium took place on January 31st. Logs are due at the February 14th Club meeting or via SNAIL to Jim Schaeffer. Awards will be given at the March 14th Meeting.

The next Fifth Wednesday Contest will be held May 30th, with two more on August 29th and October 31st this year. The Fifth Wednesday Contest is an exercise to determine 2 meter capability using simplex (147.54 MHz).

Awards are given for three classes of stations: Single Operator; Single Operator QRP (5 watts or less); and Multiple Operator. The Data and Log Sheet for the May 30th Contest will be in the May issue of the *Oscillator*.

If you haven't participated in the past, why not fire up your 2 meter gear on May 30th and give it a try. You'll enjoy the event.

Alvin Carlson, KB7VHI, has been elected by the Board as the **OTVARC Emergency Services Coordinator**. If you would like to become involved in ARES emergency services and receive your ID card, please contact him. See the Directory, Page 9.

HAMS CONTINUE CYCLE OREGON TRADITION, by Jim, KB7ADH

Cycle Oregon is more than a public service event. It's a learning experience, teaches innovation and patience. Every year we add to the knowledge base.

Here's the list of OTVARC hams who were on CYCLE OREGON this year, annotations are mine.

KLØUX	Dean Davis (The new kid this year)
K7JDF	J. D. Fort (The Prez. can fit in a Subaru for a week)
K7YBZ	Larry Hinton (Our foreign correspondent member...from the state of Washington)
W7FBP	Dale LeBarron (Dale has done it for 12 years)
KB7ADH	aaaaaaaaaaaaaaaaaaaaaDH
W7JWG	Bert Schmidt (an ex-Prez. who also lived in a Subaru for a week)
N7THL	Will Sheffield (got lost in a fog...oops the fog; trying to find a mountain top in the dark at 4 am!)
KZ7T	Randy Stimson (Another 12 year veteran.... with Donna, his new XYL along coaching him...he finally got it right... and didn't drive over a suitcase...or anything else. Did break his dentures on Wednesday though.(ed. Note: first time Randy was chewing on anything or anyone)

We had help from non-OTVARC hams N7TDR, W7DYX, K7UKW, N7FGI & N7GFT.

Whatta team!!!!!!!!!!!!

Debugging Antennae: Marshall Johnson

Marshall Johnson KK7CW is our guest speaker for February. Marsh is well known in the ham radio community as an experienced antenna guru. He has been a regular speaker at SEAPAC, and last year did one of the Friday afternoon seminars. His seminars and talks are some of the best attended at the convention. Marsh is currently Oregon's Section Manager.

The February 14th program will be 'Debugging Antennae'. Following the presentation, Marsh will offer an 'antenna hints & kinks' intensive, extensive question and answer period. Bring your questions great and small. Marsh will knowledgeably answer them all.

FIELD DAY LOCATION SOUGHT

Field Day offers an opportunity to hone our abilities "off the power grid." You never know when those skills will come in handy. Another purpose is a live public demonstration of ham radio. Field Day will be June 22-24 this year.

We have not decided on a 2001 Field Day site. We would like a high profile west side location. E-mail your board members any ideas and suggestions.

DEETH & ASSOCIATES

- * Telecommunications
- * Most Key Systems
- * TIE/Norstar/ & Others
- * Security Systems

503-324-3737
Pager 503-818-0581
Fax: 503-324-4833

Ray Deeth
180 So. Main (#C)
Banks, Oregon 97106

Club Contact Directory

OTVARC Executive Board

President	J.D. Fort	K7JDF	k7jdf@arrl.net	503-259-0269
Vice President	Phil Teck	N7OY	philmay@hevanet.com	503-649-7533
Secretary	Dean Davis	KL0UX	deandavis@alpinsoft.com	503-598-9083
Treasurer	Linda Sutton	KC7YTD	kb7pvw@arrl.net	503-246-8879
Trustee	Wes Allen	K7WWG	wesa@dnc.net	503-649-3295
Trustee	Janet Bell	WB7FJC	wb7fjc@arrl.net	503-648-4147
Trustee	Jim Blanchard	W7HOW	w7how@juno.com	503-579-0248
Trustee	Alvin Carlson	KB7VHI	kb7vhi@arrl.net	503-629-5728
Trustee	Julia Landers	KD7GQW	wa0bru@juno.com	503-646-1546

Club Functions

ARRL Coordinator	Bob Orr	WF7Q	boborr@onlinemac.com	503-472-2716
Equipment Loan	Dean Davis	KL0UX	deandavis@alpinsoft.com	503-598-9083
Equipment Valuation	Randy Stimson	KZ7T	kz7t@arrl.net	503-297-1175
Equipment Trustee	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
Emergency Services	Alvin Carlson	KB7VHI	kb7vhi@arrl.net	503-629-5728
Field Day Coordinator	Harold Landers	WA0BRU	wa0bru@juno.com	503-646-1546
	Dean Davis	KL0UX	deandavis@alpinsoft.com	503-598-9083
Health & Welfare	Linda Sutton	KC7YTD	kb7pvw@arrl.net	503-246-8879
Historian	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
Internet Home Page	Marc Chamberlin	WA7PXW	marcc@easystreet.com	503-357-1869
	Betty Mickley	N7REX	mmickley@teleport.com	503-642-1284
Member Badges	Carl Clawson	WS7L	carlclawson@compuserve.com	503-629-5796
Newsletter Editor	Everett Curry	W6ABM	w6abm@arrl.net	503-681-2345
Newsletter Distribution	Dean Davis	KL0UX	deandavis@alpinsoft.com	503-598-9083
Nominating Committee	Jim Blanchard	W7HOW	w7how@juno.com	503-579-0248
Public Relations	J.D. Fort	K7JDF	k7jdf@arrl.net	503-259-0269
Scholarship	Carl Clawson	WS7L	carlclawson@compuserve.com	503-629-5796
Sea-Pac	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
"	Brad Beach	N7NVC	bbeach@teleport.com	503-657-1781
"	Jim Schaeffer	KB7ADH	jim.schaeffer@sulzerpumps.com	503-245-2518
"	Randy Stimson	KZ7T	kz7t@arrl.net	503-297-1175
"	Will Sheffield	N7THL	n7thl@juno.com	503-642-7314
Station Trustee	Hanford Van Ness	KE7BB	ke7bb@email.msn.com	503-246-7975
Social	Harold Landers	WA0BRU	wa0bru@juno.com	503-646-1546
Trailer	Dee Lynch	K7JRB	deek7jrb@arrl.net	541-745-1025

Interest Contacts

Project Night	Alan Chincock	KB7POR	kb7por@aol.com	503-636-2237
QRP				
Repeater	Wes Allen	K7WWG	wesa@dnc.net	503-649-3295
Public Service	Randy Stimson	KZ7T	kz7t@arrl.net	503-297-1175
RFI & TVI	Dale Mosby	K7FW	dale@sequent.com	503-640-0217
Satellites	Everett Curry	W6ABM	w6abm@amsat.org	503-681-2345
Technical Specialist				
Tower Ordinances	Greg Milnes	W7OZ	w7oz@arrl.org	503-648-6990
Training (upgrade)	Janet Bell	WB7FJC	wb7fjc@arrl.net	503-648-4147
Travelers	Betty Mickley	N7REX	mmickley@teleport.com	503-642-1284
VE Test Coordinator	Carl Clawson	WS7L	carlclawson@compuserve.com	503-629-5796
VHF/UHF	Arnold Jensen	W7DSA		503-543-3713

Hamfests And Conventions

17 February 2001

Salem Hamfair

Rickreall, Oregon

E-mail kk7ox@presys.com

repeater.homepage.com

March 2001

Burnaby Swap Meet

Burnaby Amateur Radio Club

New Westminster Armories

Westminster, B.C.

Dan VE7QIT (604) 522 1400

Jim VE7IED (604) 946 9801

Bob VE7KW (604) 524 9177

Email: VE7KW@RAC.ca

10 March 2001

Mike & Key Swap Meet

Puyallup, Washington

<http://www.mikeandkey.com/flea>

Michael Dinkelman, N7WA

425-867-4797 253-631-3756

mwdink@eskimo.com

12 May 2001

Stanwood-Camano ARC

Stanwood, Washington

John McCann N7MZ

360-387-6123

Huppert@whidbey.net

12 May 2001.

Eugene, Oregon

Fourth Annual Eugene Hamfair.

at "Bingomania".

1-3 June 2001

Northwestern Division

ARRL Convention

Tualatin Valley ARC

Seaside, Oregon

<http://www.seapac.org>

Randy Stimson, KZ7T

PO Box 219295

Portland, OR 97225

503-641-3776

kz7t@arrl.net

WORLDWIDE DISTRIBUTION



Rich KK7PL
Manager

11705 SW Pacific Hwy (99W)
Portland OR 97223
503-698-0565 Fax: 684-0469
800-854-6046

ANAHIM CA • ATLANTA GA • BIRMINGHAM AL • DENVER CO
NEWCASTLE TX • OAKLAND CA • PHOENIX AZ • PORTLAND OR
SALEM NH • SAN DIEGO CA • SUNNYVALE CA • WASHINGTON VA



Web: WWW.OTVARC.ORG
Repeater: 146.96MHz
Repeater: 440.350 (127.3)
Simplex: 147.54 MHz
Editor: W6ABM@arrl.net



OTVARC
Oregon Tualatin Valley
Amateur Radio Club
Post Office Box 5132
Aloha OR 97006-0132

Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective and established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, our intent is to promote the advancement of Amateur Radio Service, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during events & community activities.
3. Emergency communications in emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits when you join or renew your membership in the ARRL through the club. Contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and mailed on the first of the month. Opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff. Editor's E-mail: ecurry@teleport.com. March 2001 *OSCILLATOR* deadline is Tuesday, February 20th.

Internet Home Page: WWW.OTVARC.ORG



Correspondence: All correspondence may be sent to **OTVARC, PO Box 5132, Aloha, OR 97006-0132.**

Meetings: We have two meetings per month. The Board meeting is on the fourth Wednesday of each month. Club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge. 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7 PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues schedule.

How to join: Mail the Membership application and/or renewal form with your dues to the Club address.